XM1216 Small Unmanned Ground Vehicle (SUGV)

The Small Unmanned Ground Vehicle (SUGV) is a lightweight, man-portable Unmanned Ground Vehicle capable of conducting military operations in urban terrain, tunnels, sewers and caves. The SUGV performs hazardous missions without directly exposing the Soldier to the dangers found in manpower intensive or high risk missions. The SUGV modular design allows multiple payloads to be integrated in a plug-and-play fashion. Weighing less than 32 pounds, it is capable of carrying up to four pounds of payload weight.

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What does the SUGV bring to the Battlefield?

- Soldiers can use the SUGV to conduct extended reconnaissance of urban and complex terrain and subterrainean areas.
- Provides vital information regarding buildings, field fortifications, tunnels, sewers, subways, bunkers, facilities, and other structures in support of military operations, peacekeeping, and other Stability and Reconstruction Operations (S&RO).
- The Soldier will be able to conduct reconnaissance of a building, investigate suspected IED's or send the SUGV into caves or tunnels to seek out the enemy. Sensor information can be transmitted over the network to all levels of battalion operations.

What does the SUGV bring to the Warfighter?

- The SUGV is an 80% scaled down version of the Packbot, of which hundreds have been fielded to support Operation Iraqi Freedom and Operation Enduring Freedom.
- The SUGV is a Soldier's tool. The Soldier utilizes the Common Controller (CC) to send commands to the SUGV and recieves imagery and other information from the SUGV.
- The SUGV can be used to clear buildings of suspected booby traps, inspect caves for weapon caches, search for IEDs, ect.
- The SUGV platform weighs less than 32 lbs. and can be carried in a MOLLE pack. This is significantly lighter than current systems used in contingency operations in theater today.

Planned fielding schedule:

The SUGV is part of the Early Infantry Brigade Combat Team (E-IBCT) modernization effort and will be fielded in 2011.